

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012546**Date Inspected:** 01-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Mr. Du zhi qun/ Mr. Yu qi guo	CWI Present:	Yes	No
Inspected CWI report:	Yes No N/A	Rod Oven in Use:	Yes	No N/A
Electrode to specification:	Yes No N/A	Weld Procedures Followed:	Yes	No N/A
Qualified Welders:	Yes No N/A	Verified Joint Fit-up:	Yes	No N/A
Approved Drawings:	Yes No N/A	Approved WPS:	Yes	No N/A
		Delayed / Cancelled:	Yes	No N/A
Bridge No:	34-0006	Component:	Tower	

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Bay no. 10

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 052930 perform SMAW welding on, inside CD Corner of South tower, Lift 5, and weld joint identified as SSD1-TL5-1B-F-39B. ZPMC CWI Identified as Mr. Du zhi qun. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3212-TC-U4B-1. (Photo attached)

Heavy Dock Jetty

2.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 066763 perform FCAW welding on, Skin B, Bearing stiffener of south tower, Lift 1, and weld joint identified as SSD1-SA18-27. ZPMC CWI Identified as Mr. Yu qi guo. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2333-TC-P4-F.

3.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 070046 perform FCAW welding on, Skin C, Bearing stiffener of south tower, Lift 1, and weld joint identified as SSD1-SA18 F/G-61. ZPMC CWI Identified as Mr. Yu qi guo. The welding parameters as measured using QC's

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calibrated instruments appeared to be in general compliance with WPS-B-T-2333-TC-P4-F.

4. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 050289 perform SMAW Repair welding on, Skin D, Bearing stiffener of inside North tower, Lift 1, and weld joint identified as NSD1-SA22 B/E-32, 34, 36. ZPMC CWI Identified as Mr. Yu qi guo. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-3G(3F)-Repair. (Photo attached)

Magnetic Particle Testing:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report for this date. The member is identified as Bearing stiffeners of East tower, Lift 1, Skin B. The weld designations reviewed are as follows:

ESD1-SA 233- Jt. nos – 19, 22, 31, 34- East, Lift 1

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

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Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer